

FEB 12 2002

Application No. 09/903,290

VERSION WITH MARKINGS TO SHOW CHANGES MADE

Target: . . . CGCAA TAGCC TAGCA GT (c) GC . . . (SEQ ID NO: 1)
 . . . GCGTT ATCGG ATCGT CA (g) CG . . .

Primer: 5' - CGCAATAGCCTAGCC~~ACTTG~~-3' (SEQ ID NO: 2)

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Probe: *ACLA001-5' -~~CAAGT~~CGT_cGC -3' (SEQ ID NO: 3)

* eTag fluorescent group: Fluorescein(C₆P)₁ (ACLA001)

^ indicates site of cleavage

c indicates base complementary to SNP locus

Target #1:

Target: . . . CTAGCAGT (c/g) G CAGGATACTG ACCTGCGC. . . (SEQ ID NO: 4)
 . . . GATCGTCA (g/c) C GTCCTATGAC TGGACGCG . . .

Primer: 5' -CAAGTCGGAT ACTGACCTGC AT-3' (SEQ ID NO: 5)

Probes: 5' -GT_cGCCACTT G-3' -ACLA001* (SEQ ID NO: 6)

5' -GT_gGCCACTT G-3' -ACLA016* (SEQ ID NO: 7)

Target #2:

Target: . . . GAGATCCA (c/g) CAGCA AAGTC CGAGT CGGT . . . (SEQ ID NO: 8)
 . . . CTCTAGGT (g/c) GTCGT TTCAG GCTCA GCCA . . .

Primer: 5' -CAAGTACCAA AGTCCGAGTC GAA -3' (SEQ ID NO: 9)

Probes: 5' -CA_cCACTACT TG-3' -ACLA018* (SEQ ID NO: 10)

5' -CAgCACTACT TG-3' -ACLA019* (SEQ ID NO: 11)

* indicates eTag fluorescent groups(all containing Fluorescein):

ACLA001: F1(C₆P)₁-oligonucleotide

ACLA016: F1(C₆P)₁(C₃P)₁-oligonucleotide

ACLA018: F1(C₆P)₁(C₃P)₂-oligonucleotide

ACLA019: F1(C₆P)₁(C₃P)₃-oligonucleotide

^ indicates site of cleavage

c or g indicates base complimentary to SNP locus